SYSTEM FOR PROVIDING CONTINUOUS CYBER LINK BETWEEN EMBEDDED CONTROLLERS AND WEB SERVERS

ABSTRACT

A system is disclosed that provides a continuous cyber link connection between embedded controllers in devices installed in a home, such as digital utility meters and smart appliances, and server facilities on the World Wide Web by using a gateway with broadband connectivity to the Internet. The installed devices are interfaced in full-duplex data packet communication to the gateway through a controller. The gateway includes a translator for communication between the installed devices and a web communicator and an emulator within the gateway. The web communicator provides a link with the servers on the Web and the emulator gives a Web representation for each installed device in the user's home in the form of a personal Home Place Web Page ("MyCHome Place Web Page"). The home user has access to the installed devices in the home through the Internet using a "dot com" Web server that allows access to the Home Place Web Page (the "MyCHome Place Web Page").

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